



Swindon & Wiltshire

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Summary of available national research on potential Green Skills and Jobs

Skills and Talent Subgroup

12 January 2022

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This is what the UN and WEF says...

New green skills
required for
farming,
architecture,
science and
teaching

Almost half of
young people
feel they don't
have the right
skills

Employers
estimate that
four in 10
workers will need
to be reskilled

The United
Nations
Environment
Programme has
stepped in with a
helping hand in
the shape of
GEO-6 for Youth



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A skilled workforce, including not only people who have scientific, engineering and management qualifications but also those who carry out traditional craft and technical jobs, is needed to support a green economy.



Figure 4.4 Skills needed for future green jobs. Source: Government of the United Kingdom 2011; Fedrigo-Fazio and ten Brink 2012; Consoli 2015; Vona et al. 2015; Maclean, Jagannathan and Panth 2018; Burger et al. 2019; Occupational Information Network (O*NET Online) 2019.

Green skills required for the
new economy

Science

Architecture
and Planning

Green
Engineering
and Technology

Agriculture

Environmental
Justice

System
Thinking



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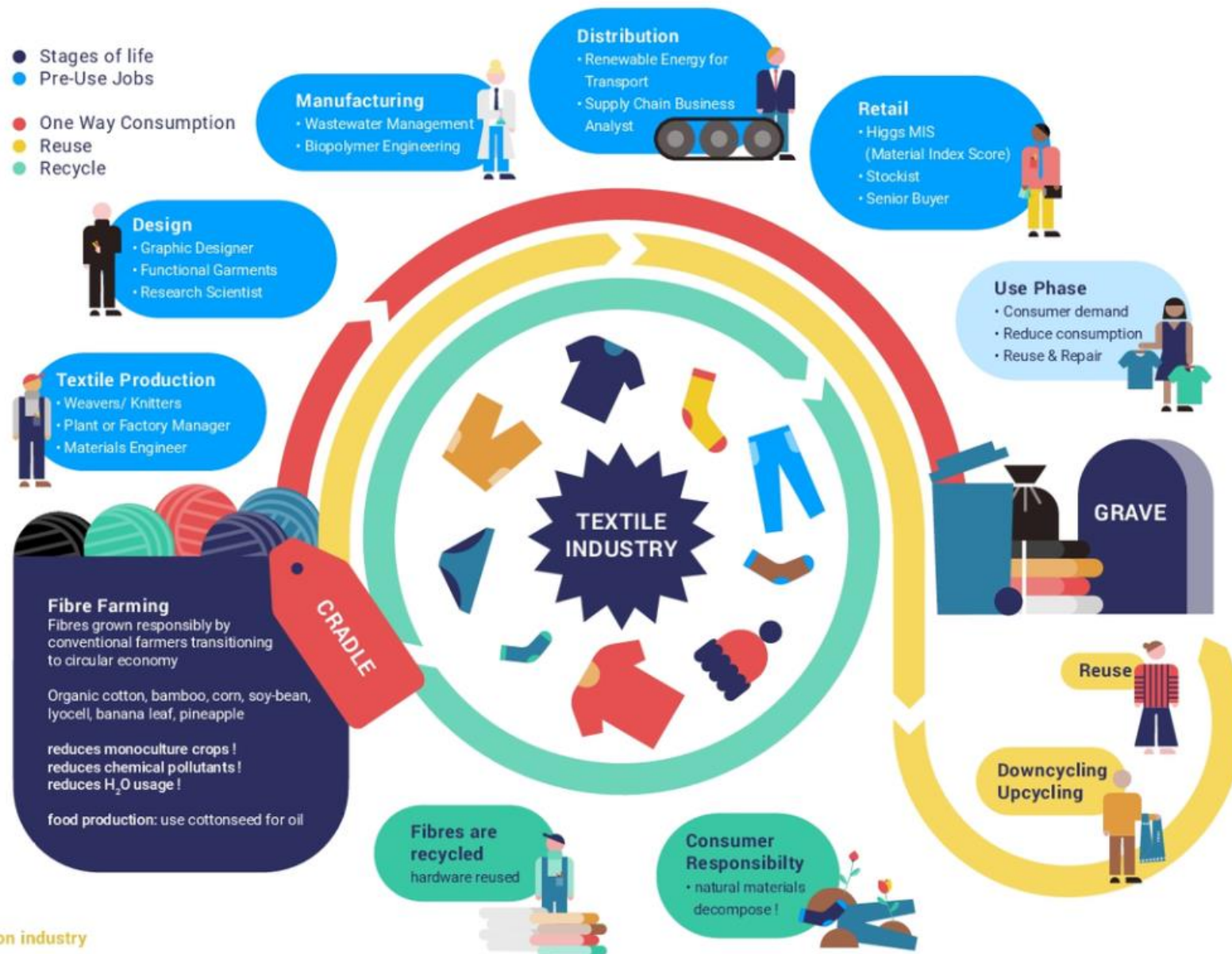
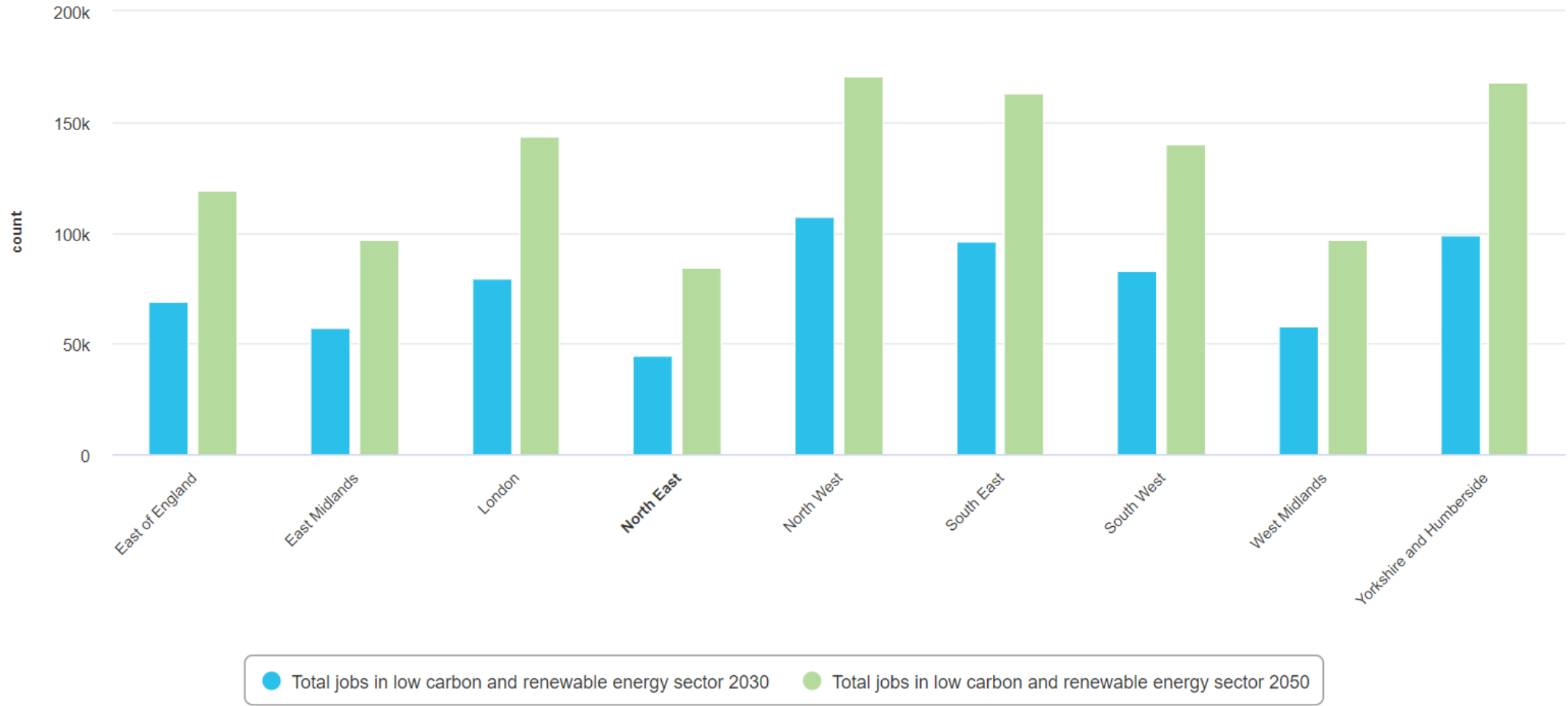


Figure 4.2 A circular fashion industry

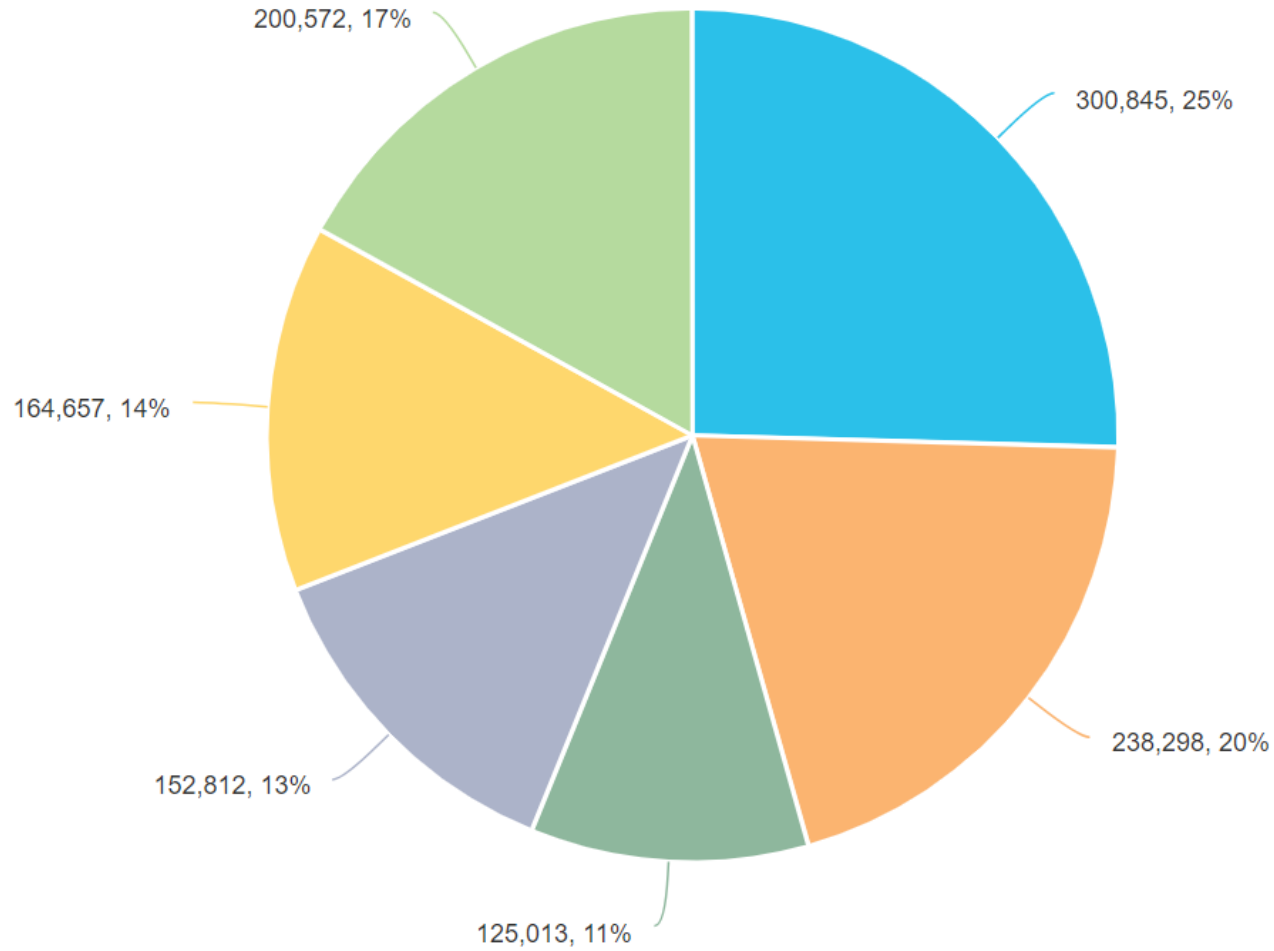
Estimated total number of direct jobs in low-carbon and renewable energy sector (2050)

AREA	<u>TOTAL JOBS IN LOW CARBON AND RENEWABLE ENERGY SECTOR</u>	<u>PERCENTAGE OF TOTAL ESTIMATED JOBS</u>
	Count	Raw value
North East	<u>84,205</u>	<u>7.157425</u>
East Midlands	<u>96,842</u>	<u>8.231570</u>
West Midlands	<u>97,015</u>	<u>8.246275</u>
East of England	<u>119,294</u>	<u>10.139990</u>
South West	<u>139,765</u>	<u>11.880025</u>
London	<u>143,764</u>	<u>12.219940</u>
South East	<u>163,014</u>	<u>13.856190</u>
Yorkshire and Humberside	<u>167,697</u>	<u>14.254245</u>
North West	<u>170,601</u>	<u>14.501085</u>
England	<u>1,182,197</u>	<u>100.486745</u>

Estimated number of low-carbon jobs in 2030 and 2050 by region



Low carbon jobs England 2050 by sector



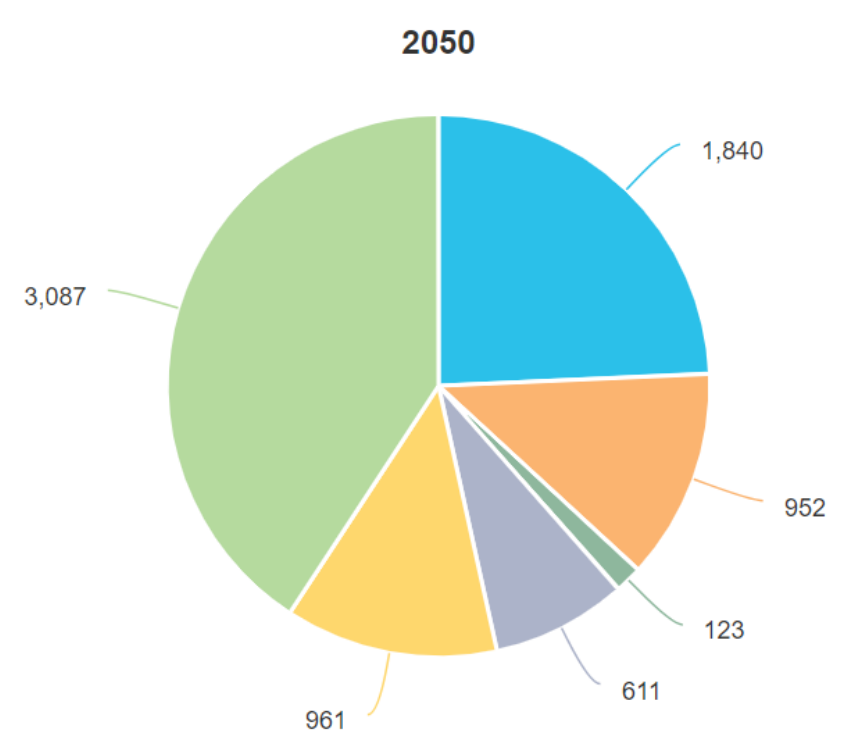
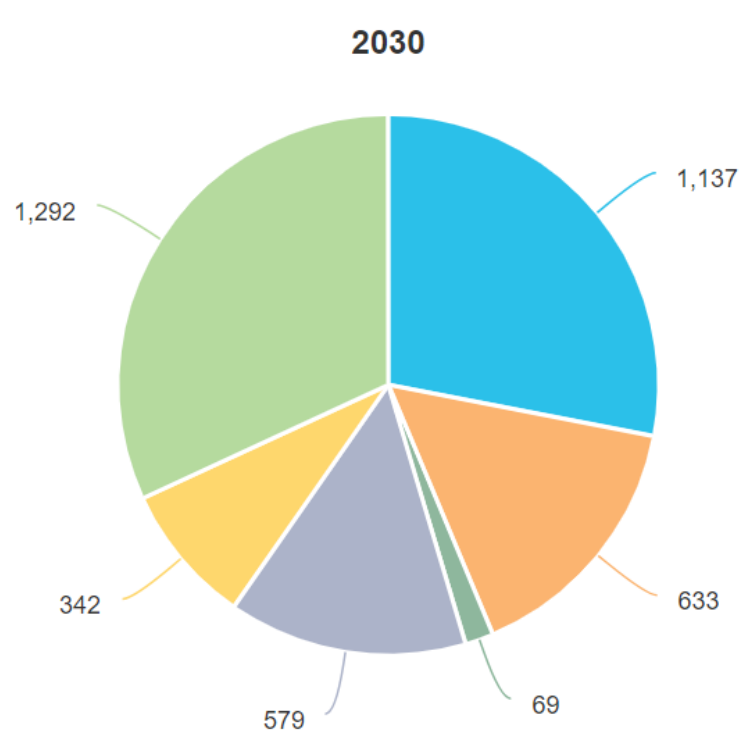
- England - Estimated jobs in Low-carbon electricity - 2050 - Count
- England - Estimated jobs in Low-carbon heat - 2050 - Count
- England - Estimated jobs in Alternative fuels - 2050 - Count
- England - Estimated jobs in Energy Efficiency - 2050 - Count
- England - Estimated jobs in Low-carbon services - 2050 - Count
- England - Estimated jobs in Low emission vehicles & infrastructure - 2050 - Count

Sectoral breakdown of estimated number of low-carbon jobs by region in 2030

50k

In Swindon it is estimated that 4,052 jobs will be required by 2030 and by 2050 7,574.

The number of jobs in the low carbon and renewable energy economy sectors can be seen in the charts and tables below.

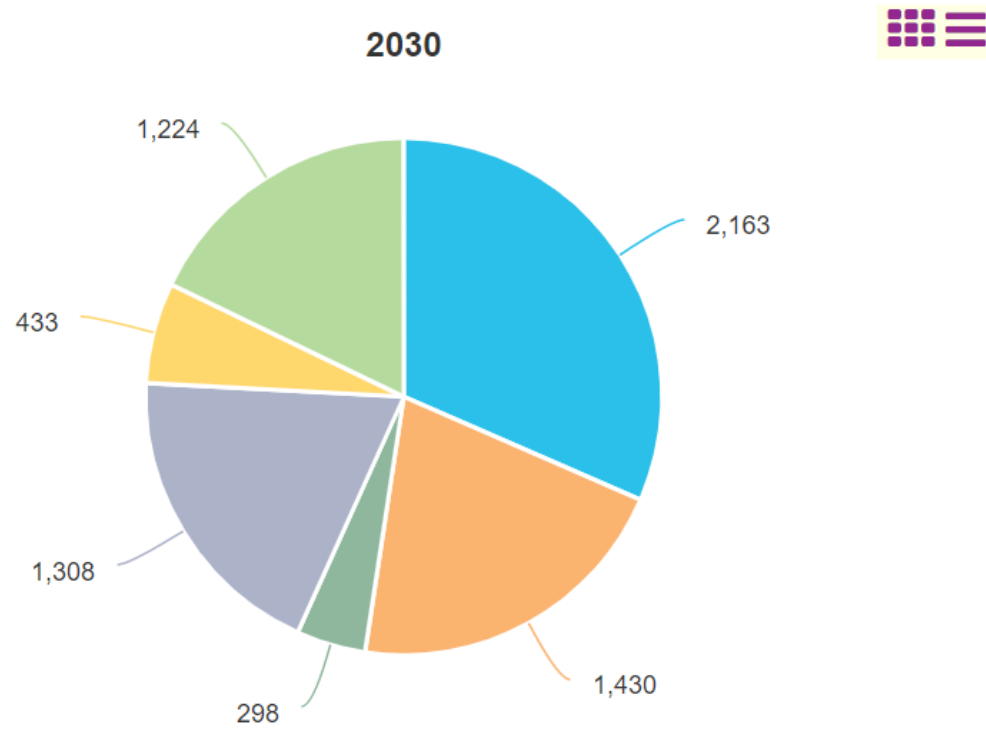


- Swindon - Estimated jobs in Low-carbon electricity - 2030 - Count
- Swindon - Estimated jobs in Low-carbon heat - 2030 - Count
- Swindon - Estimated jobs in Alternative fuels - 2030 - Count
- Swindon - Estimated jobs in Energy Efficiency - 2030 - Count
- Swindon - Estimated jobs in Low-carbon services - 2030 - Count
- Swindon - Estimated jobs in Low emission vehicles & infrastructure - 2030 - Count

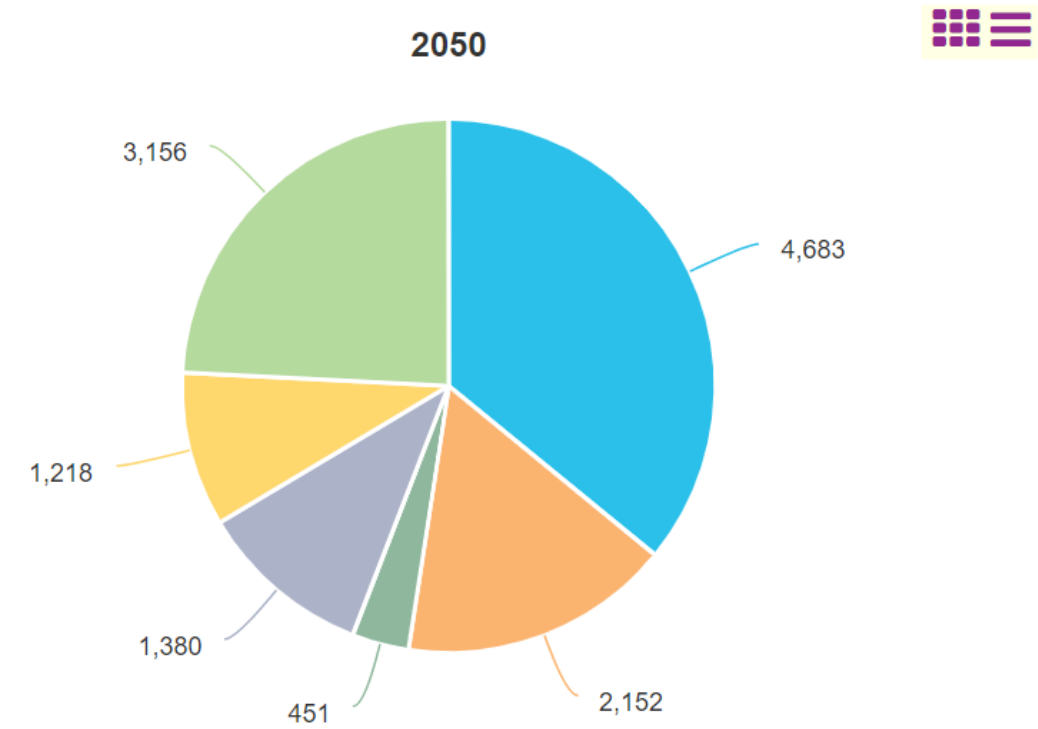
- Swindon - Estimated jobs in Low-carbon electricity - 2050 - Count
- Swindon - Estimated jobs in Low-carbon heat - 2050 - Count
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- Swindon - Estimated jobs in Energy Efficiency - 2050 - Count
- Swindon - Estimated jobs in Low-carbon services - 2050 - Count
- Swindon - Estimated jobs in Low emission vehicles & infrastructure - 2050 - Count

In Wiltshire it is estimated that 6,856 jobs will be required by 2030 and by 2050 13,040.

The number of jobs in the low carbon and renewable energy economy sectors can be seen in the charts and tables below.



- Wiltshire - Estimated jobs in Low-carbon electricity - 2030 - Count
- Wiltshire - Estimated jobs in Low-carbon heat - 2030 - Count
- Wiltshire - Estimated jobs in Alternative fuels - 2030 - Count
- Wiltshire - Estimated jobs in Energy Efficiency - 2030 - Count
- Wiltshire - Estimated jobs in Low-carbon services - 2030 - Count
- Wiltshire - Estimated jobs in Low emission vehicles & infrastructure - 2030 - Count



- Wiltshire - Estimated jobs in Low-carbon electricity - 2050 - Count
- Wiltshire - Estimated jobs in Low-carbon heat - 2050 - Count
- Wiltshire - Estimated jobs in Alternative fuels - 2050 - Count
- Wiltshire - Estimated jobs in Energy Efficiency - 2050 - Count
- Wiltshire - Estimated jobs in Low-carbon services - 2050 - Count
- Wiltshire - Estimated jobs in Low emission vehicles & infrastructure - 2050 - Count

Wiltshire compared to Wiltshire geographical neighbours

Estimated total number of direct jobs in low-carbon and renewable energy sector (2050 and 2030) for Wiltshire geographical neighbours

